

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 82-10

AMENDED WATER RECLAMATION REQUIREMENTS FOR:

DOMAINE CHANDON WINERY M & H VINEYARDS, INC
YOUNTVILLE, NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter Board) finds that:

1. Domaine Chandon Winery M & H Vineyards, Inc. submitted a Report of Waste Discharge dated February 7, 1980 and provided additional information by letters dated March 5, 1980 and March 26, 1980. On January 21, 1982 plans were submitted for an additional on-site treatment and disposal system to serve a proposed new warehouse of 72,000 square feet.
2. The discharger describes the waste as follows:
 - a. Waste no. 1 consists of a maximum of 2,800 gallons per day (gpd) of sanitary sewage from 20 employees and a maximum of 800 visitors per day to a restaurant and wine tasting facility. This waste is discharged into a series of six septic tanks and six subsurface leachfields located on the discharger's property approved by Napa County Health Department.
 - b. Waste no. 2 consists of industrial waste generated by the fermentation and processing of clear juice from crushed grapes into sparkling wine. During the crushing season (August 20 to October 15) the maximum daily flow is 10,000 gallons per day and the maximum peak flow rate is 125 gallons per minute based on processing 600,000 gallons of clear juice. The average flow the rest of the year is 1250 gallons per day. The waste is filtered, neutralized, and biologically oxidized using extended aeration in two aeration tanks followed by a settling tank. Disposal is by drip irrigation on about 18 acres of vineyards.
 - c. Waste no. 3 consists of sanitary sewage plus a minimum amount of industrial waste designed for a maximum total flow of 212 gpd. The sanitary sewage is from toilet facilities serving 5 employees in the bottle storage warehouse, which includes a small office facility. The waste is proposed to be discharged into a septic tank and a mound-type soil absorption system having a basal area of 920 square feet. The design is based upon the State Water Resources Control Board's "Guidelines for Mound Systems."

3. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) in April 1975. The Basin Plan contains water quality objectives for the Napa Valley area.
4. The beneficial uses of the Napa River downstream from the winery property are:
 - a. Domestic water supply for irrigating family gardens.
 - b. Agricultural water supply for stock watering, irrigation and frost protection.
 - c. Water contact recreation
 - d. Fish migration and habitat.
5. The beneficial uses of the Napa Valley ground waters as set forth in the Basin Plan include:
 - a. Domestic water supply
 - b. Agricultural water supply
6. The County of Napa has reviewed the proposed new warehouse and determined on February 8, 1982 that the project is categorically Exempt Class 3 under the California Environmental Quality Act (Public Resources Code Section 2100 et seq.). The County has therefore determined that neither a negetative declaration nor an EIR is required.
7. The Board has notified the discharger and interested agencies and persons of its intent to prescribe water reclamation requirements for the disharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
8. The Board in a public meeting, heard and considered all comments pertaining to the discharge.

A. Discharge Specifications

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. Waste 1 and 3 shall be kept below the soil surface at all times.
3. The disposal of waste 1, 2 or 3 shall not cause degradation of ground water suitable for domestic use or cause an increase in any quality parameter that would make ground water unsuitable for irrigation use.

4. The soil-absorbtion system for waste 3 shall be adequately protected from erosion or washout having a predicted frequency of once in 100 years.

B. Reclaimed Wastewater Use Limitations

1. The area used for wastewater irrigation shall be limited to that specified in attachment A, unless written authorization for a change in sprayfield location has been obtained from the Executive Officer.
2. Wastewater irrigation ponding which could provide a breeding area for mosquitoes shall be prevented.

C. Prohibitions

1. Waste 1, 2 or 3 shall not be allowed to escape from the discharger's property into waters of the State via surface flow, surfacing after percolation, or airborne spray.
2. Waste no. 3 shall not exceed 212 gallons per day.
3. Wastes no. 1 and 3 shall not be discharged into the aeration basin.

D. Provisions

1. All necessary new waste handling facilities shall be constructed before the discharge of waste number 3 commences.
2. The discharger shall file with the Regional Board within 30 days a technical report, to the satisfaction of the Executive Officer, describing the means to be used to measure flow rates of waste 2 and waste 3. This report shall include a time schedule for implementation.
3. The discharger shall file with the Regional Board technical reports on self-monitoring work performed according to detailed specifications as directed by the Executive Officer.
4. The discharger shall file with the Regional Board a report of waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.
5. The discharger shall permit the Board or its authorized representative in accordance with California Water Code Section 13267(c):
 - a. Entry upon premises in which an effluent source is located or in which any required records are kept;

- b. Access to copy any records required to be kept under terms and conditions of this Order;
 - c. Inspection of monitoring equipment or records; and
 - d. Sampling of any discharge.
6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.
7. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
- (a) Violation of any term or condition contained in this Order;
 - (b) Obtaining this Order by misrepresentation, or failure to disclose fully all relevant facts;
 - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
8. This Board will review this Order periodically and may revise the requirements when necessary.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on March 17, 1982.

FRED H. DIERKER
Executive Officer

Attachment:

Map of Domaine Chandon Vineyard
Wastewater Irrigation Area

MAP OF DOMAINE CHANDON - VINEYARD AREA
DRIP IRRIGATED WITH INDUSTRIAL WASTE WATER

